

Appl. No. 10/076,727
Response Dated September 27, 2006
Reply to Notice dated 27 APR 2006

Lawrence Berkeley National Laboratory
Attorney Docket No.: IB-1695

REMARKS

This is a supplement to the communication filed by facsimile with the Office, dated 28 August 2006, in response to an Office Action mailed 27 April 2006. In that Action, the Office required Applicants to elect a single disclosed species for prosecution on the merits under 35 U.S.C. 121. In the response dated 28 August 2006, Applicants elected "membrane proteins" as the final species of dopant for prosecution on the merits.

Applicants would like to clarify their election of species made in the response dated 28 August 2006. Examiner noted that a previous species election was made 24 November 2004. In that election, Applicants had elected cell adhesion protein dopant molecules that are cell adhesion proteins from the immunoglobulin ("Ig") superfamily. Applicants would like to thank Examiner for pointing this out and wish to retain the initial election of species of Ig superfamily proteins. The Ig superfamily proteins are membrane proteins. The Ig superfamily proteins include ICAM, N-CAM, C-CAM, and major histocompatibility complex (MHC) proteins as members. Accordingly, Applicants elect Ig superfamily proteins as the species of dopant for prosecution on the merits under 35 U.S.C. 121.

After election, claims 7-20, 25, and 26 encompass the elected invention in the current application and remain pending in the present application.

Further, Applicants have amended claims 7, 8, 9, 14, 25, and 26 to remove any distinction between a "membrane" and "signaling" protein. Applicants have amended the claims to change "signaling" to "membrane" and removed "signaling proteins" as a type of dopant.

Accordingly, Applicants respectfully request prosecution of the pending claims in due course.

Appl. No. 10/076,727
Response Dated September 27, 2006
Reply to Notice dated 27 APR 2006

Lawrence Berkeley National Laboratory
Attorney Docket No.: LB-1695

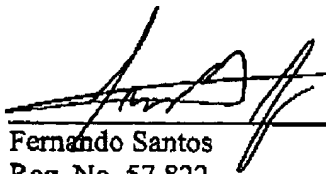
CONCLUSION

The initial period for response ended on 27 May 2006. A petition for a 4-month extension of time is included herewith. Applicants initially submitted a 3-month extension of time with the response dated 28 August 2006. Thus, Applicants authorize the Office to deduct a charge of \$285.00 (the additional amount for the 4th month of extension) from Deposit Account 120690.

Applicants believe all fees necessary for this amendment are submitted herewith. If any additional fee is necessary for entry of this amendment, then Office is hereby authorized to deduct that charge from Deposit Account 120690. If a telephone conference would, in any way, expedite prosecution of this matter, the Examiner is encouraged to contact the undersigned at (510) 486-7058.

Date: 27 September 2006

Respectfully submitted,



Fernando Santos
Reg. No. 57,822
Lawrence Berkeley National Laboratory
One Cyclotron Road, Mail Stop 90B0104
Berkeley, CA 94720
(510) 495-2456